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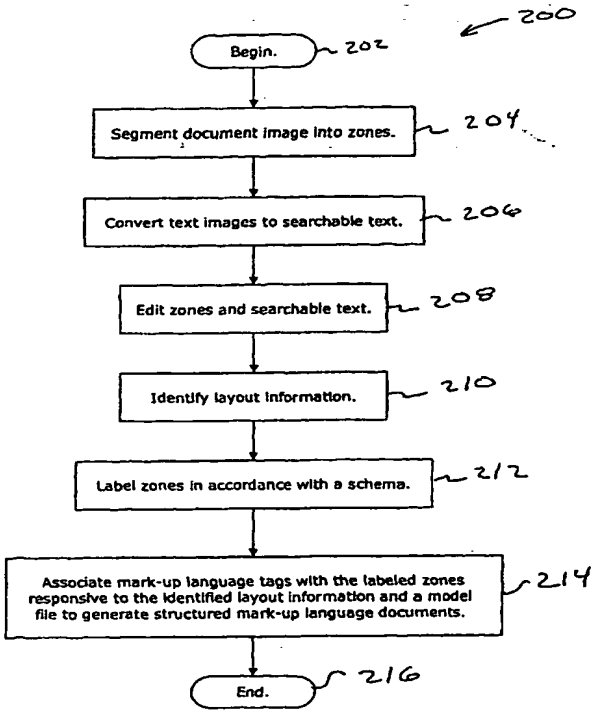
[Continued on next page]

(54) Title: METHOD, SYSTEM, AND APPARATUS FOR GENERATING STRUCTURED DOCUMENT FILES



(57) Abstract: A method, system, apparatus, and graphical user interface (GUI) for generating structured document files from a document image is disclosed. Structured document files are generated by segmenting the document image into one or more zones containing respective text images, converting the respective text images to digital text, automatically identifying layout information for each of the one or more zones, labeling each of the one or more zones in accordance with a schema, and automatically associating mark-up language tags with the labeled zones to generate the structured document files responsive to the identified layout information and a model file.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VALVENY E ET AL: "SCAN-TO-XML: AUTOMATIC GENERATION OF BROWSABLE TECHNICAL DOCUMENTS" , PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, XX, XX, VOL. 3, PAGE(S) 188-191 XP001151841 page 189, paragraph 2 -page 190, paragraph 3 --- -/--	1-20

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	May, M

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Internat	Application No
	PCT/US 03/26025

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
X	B.LAMIROY, L.NAJMAN: "Scan-to-XML: Using Software Component Algebra for Intelligent Document Generation" LECTURE NOTES ON COMPUTER SCIENCE, GRAPHICS RECOGNITION. ALGORITHMS AND APPLICATIONS. 4TH INTERNATIONAL WORKSHOP, GREC 2001, vol. 2390, 7 - 8 September 2001, XP009025490 Kingston, Ont., Canada paragraph '0003!; figure 1	1-20
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